

Eighth Grade Physical Science

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Eighth grade science is a study of physical science topics. The class is divided up into the following themed units.

1. Physics in Action
2. Safety
3. Thrills & Chills
4. Designing the Universal Dwelling
5. Electricity for Everyone
6. The Periodic Table/Chemistry

Science is composed of "product and process." The "product" is all of the concepts that others have discovered, and the "process" is how scientists discover answers to their science questions. As a part of the eighth grade science curriculum at First Immanuel Lutheran School, students will discover the "products" of science by using the "process." During each the unit the students will progress through a series of activities that will lead them to an understanding of the topics covered. At the end of each unit, a chapter challenge will be completed by each cooperative group that will show their understanding of the concepts learned.

In addition to the daily activities, discussions will take place concerning the information you are learning to understand. There will be assignments at the end of each activity that will allow you to "practice" what you have learned. Please ask me questions when you do not understand the concepts we are studying. Assessments of the material studied will be given frequently. This will allow me to see that you have mastered the material or what you need to review in order to successfully complete your chapter challenge. Grades will be calculated on a point-by-point basis using the FIL grading scale. Points will be earned by way of the quizzes, lab reports, and chapter challenges. Additional points (25) come from the extended reading, which is due one week before the end of the quarter. Additional information will be given to you each quarter concerning the extended reading.

Students are expected to bring the following materials to class each day:

- *Active Physical Science* Textbook
- Calculator
- Writing Instrument - pencils are preferred
- Laptop
- Binder/notebook of paper for working on math problems
- Chapter Challenge supplies (as necessary)

I pray that your journey through eighth grade science is fun and rewarding!

**Equipped with his five senses, Man explores the universe around him
and calls the adventure Science.**

Edwin Powell Hubble